

IN THE CLAIMS:

1. (currently amended) A probe vibrating assembly for endoscopic procedures comprising a main body, a spindle in said main body, a drive mechanism for rotating said spindle, a drive member eccentrically mounted to said spindle, a clamp mechanism, said eccentrically mounted drive member being secured to said clamp mechanism for moving said clamp mechanism back and forth in accordance with the movement of said eccentric drive member, a cylinder clamped in said clamp mechanism, said clamp mechanism thereby causing said cylinder to move back and forth in response to the movement of said clamp mechanism, a probe extending through said cylinder with said cylinder being between said clamp mechanism and said probe, and said probe being mounted for joint back and forth movement with said cylinder in response to the back and forth movement of said cylinder, a medical scope, said probe mounted to said medical scope, and said probe extending outwardly beyond said medical scope.

2. (original) The assembly of claim 1 wherein said probe is a guide wire.

3. (original) The assembly of claim 2 including a catheter mounted to said medical scope and extending through said medical scope, and said guide wire being disposed in said catheter.

4. (previously amended) The assembly of claim 1 wherein said probe is a flexible needle terminating in a knife edge for

breaking up a tumor tissue to facilitate the tissue being removed.

5. (previously amended) The assembly of claim 4 including a plunger telescopically mounted in said cylinder for relative motion between said cylinder and said plunger, and said needle extending through said cylinder and said plunger.

6. (original) The assembly of claim 5 wherein said plunger and cylinder comprise part of an aspiration structure for retrieving tissue contacted by said needle.

7. (previously presented) The assembly of claim 6 wherein said aspiration structure further includes a pull handle mounted to the outer end of said needle outwardly of said cylinder whereby the outward pulling of said pull handle creates a suction to permit broken up tissue to be removed.

8. (previously presented) The assembly of claim 4 wherein said spindle is driven by a variable speed control.

9. (previously presented) The assembly of claim 8 wherein said variable speed control is foot operated.

10. (previously presented) The assembly of claim 8 wherein said variable speed control is manually operated.

11. (previously presented) The assembly of claim 4 wherein said spindle is rotatable about its longitudinal axis, said drive member being part of an oscillating head, said eccentrically mounted drive member moving in an eccentric path with the

longitudinal axis of said drive member being spaced from said longitudinal axis of said spindle, and said drive member being mounted in an elongated slot in a slide plate in said oscillating head to move said slide plate in a back and forth direction perpendicular to said longitudinal axis of said spindle.

12. (previously presented) The assembly of claim 4 wherein said clamp mechanism includes a clamp housing, said clamp housing having a seat for receiving said cylinder, a pivotally mounted lever located at said clamp housing, and said pivotally mounted lever having a clamping end biased in a direction toward said seat of said clamp housing whereby said cylinder may be clamped between said seat and said clamping end.

13. (previously presented) The assembly of claim 4 wherein said medical scope is detachably mounted to said main body.

14. (previously presented) The assembly of claim 1 wherein said back and forth movement is in a direction perpendicular to the longitudinal axis of said spindle.

15. (previously presented) The assembly of claim 4 wherein a pull handle is mounted to the outer end of said needle outwardly of said cylinder.

16. (previously presented) The assembly of claim 15 wherein said clamp mechanism includes a clamp housing, said clamp housing having a seat for receiving said cylinder, a pivotally mounted lever located at said clamp housing and said pivotally mounted

lever having a clamping end biased in a direction toward said seat of said clamp housing whereby said cylinder may be clamped between said seat and said clamping end, said clamping end of said lever having an arcuate recess, and said seat having an arcuate recess for receiving said cylinder.

17. (currently amended) ~~The assembly of claim 5 including A~~
probe vibrating assembly for endoscopic procedures comprising a
main body, a spindle in said main body, a drive mechanism for
rotating said spindle, a drive member eccentrically mounted to
said spindle, a clamp mechanism, said eccentrically mounted drive
member being secured to said clamp mechanism for moving said
clamp mechanism back and forth in accordance with the movement of
said eccentric drive member, a cylinder clamped in said clamp
mechanism, said clamp mechanism thereby causing said cylinder to
move back and forth in response to the movement of said clamp
mechanism, a probe extending through said cylinder and mounted
for joint back and forth movement with said cylinder, a medical
scope, said probe mounted to said medical scope, said probe
extending outwardly beyond said medical scope, a plunger
telescopically mounted in said cylinder for relative motion
between said cylinder and said plunger, said needle extending
through said cylinder and said plunger, a clamping assembly
spaced from said clamp mechanism, said plunger being clamped in
said clamp assembly, said clamp assembly being fixedly mounted

against longitudinal movement to maintain said plunger in a fixed position, and said clamp mechanism being mounted for reciprocal longitudinal movement to move said cylinder back and forth.

18. (previously presented) The assembly of claim 1 wherein said spindle is rotatable about its longitudinal axis, said drive member being part of an oscillating head, said eccentrically mounted drive member moving in an eccentric path with the longitudinal axis of said drive member being spaced from said longitudinal axis of said spindle, and said drive member being mounted in an elongated slot in a slide plate in said oscillating head to move said slide plate in a back and forth direction perpendicular to said longitudinal axis of said spindle.

19. (currently amended) The assembly of claim 1 wherein A probe vibrating assembly for endoscopic procedures comprising a main body, a spindle in said main body, a drive mechanism for rotating said spindle, a drive member eccentrically mounted to said spindle, a clamp mechanism, said eccentrically mounted drive member being secured to said clamp mechanism for moving said clamp mechanism back and forth in accordance with the movement of said eccentric drive member, a cylinder clamped in said clamp mechanism, said clamp mechanism thereby causing said cylinder to move back and forth in response to the movement of said clamp mechanism, a probe extending through said cylinder and mounted for joint back and forth movement with said cylinder, a medical

scope, said clamp mechanism ~~includes~~ including a clamp housing, said clamp housing having a seat for receiving said cylinder, a pivotally mounted lever located at said clamp housing, and said pivotally mounted lever having a clamping end biased in a direction toward said seat of said clamp housing whereby said cylinder may be clamped between said seat and said clamping end.

20. (previously presented) The assembly of claim 19 wherein a movable clamping member is located in a passageway in said clamp housing in line with said seat, a notch located in said clamp housing adjacent said seat, said notch having an arcuate shape corresponding to the shape of said cylinder, said movable clamping member being in the path of movement of said clamping end of said lever whereby said clamping end of said lever pushes said movable clamping member into clamping engagement with said cylinder, and whereby said lever may be moved in an opposite direction from its closing direction to release said movable clamping member from clamping arrangement with said cylinder.